UNITED STATED DIS FOR THE DISTRICT OF I		TO PERSON P 3: 43
ELIZABETH L. SHIELDS, Plaintiff)))	
v.))	O. 04-12431GAO
KENNETH VAN VOORHIS, JR.,)	
JOSEPH ELETTO TRANSFER, INC., AND AA TRUCK RENTING CORPORATION,)	
Defendants))	

PLAINTIFF'S OPPOSITION TO DEFENDANT'S MOTION TO DISMISS FOR LACK OF SUBJECT MATTER JURISDICTION

The Plaintiff, Elizabeth L. Shields respectfully opposes Defendant's Motion to Dismiss for Lack of Subject Matter Jurisdiction.

In support of Plaintiff's Opposition, attached is Plaintiff's Affidavit marked "Exhibit A", her medical records marked "Exhibit B", and text marked "Exhibit C" relating to trauma and Spondyliolisthesis.

In conclusion, it is Plaintiff's position that she suffered more than just a lumber strain, that is, that the trauma of the subject accident played a role in precipitating the first painful symptoms of the spondyliolisthesis identified on x-ray. Consequently, Plaintiff respectfully requests that this Honorable Court deny the Defendant's Motion to Dismiss for the reason that

Plaintiff has set forth with sufficient particularity, facts indicating that, it is not a legal certainty that this claim involves an amount less than the jurisdictional amount.

THE PLAINTIFF By her Attorney,

Sal J. Germani, Esquire

BBO #547991

Germani & Germani, P.C.

Attorney for Plaintiff

50 Union Street, P. O. Box 2178

Attleboro, MA 02703

(508) 222-5858

(508) 222-9906

2\shields\opposition to motion to dismiss

CERTIFICATE OF SERVICE

I, Sal J. Germani, Attorney for the Plaintiff, hereby certify that on this day of February, 2005, I forwarded a copy of the within Opposition to Defendant's Motion to Dismiss for Lack of Subject Matter Jurisdiction to Defendant's counsel, Michael J. Keefe, Esquire, Martin, Magnuson, McCarthy & Kenney, 101 Merrimac Street, Boston, Massachusetts 02114-4716, via first class mail.

Sal I Germani

AFFIDAVIT OF ELIZABETH L. SHIELDS

- I, Elizabeth L. Shields, being on oath, depose and say:
 - 1. That on June 25, 2003 I was struck from behind by a large furniture delivery truck which I later learned was owned by Defendant, AA Truck Renting Corporation, maintained and/or controlled by the Defendant, Joseph Eletto Transfer, Inc. and operated by the Defendant Kenneth Van Voorhis, Jr.
 - 2. That on the day of the accident I was transported by ambulance to Sturdy Memorial Hospital in Attleboro, Massachusetts.
 - 3. That at the emergency room at Sturdy Memorial Hospital, I complained of mid back and low back pain.
 - That an x-ray of my back was performed at Sturdy Memorial Hospital which 4. revealed a Grade II Spondyliolisthesis.
 - 5. That I was told that the finding identified on x-ray is an underlying pre-existing condition, however, prior to the subject accident I had not experienced any pain and/or discomfort in the area identified on x-ray and it was only subsequent to the accident that I experienced back pain.
 - 6. That I have not completely recovered and I am told that medically there is really nothing that can be done to repair my injury other than periodic physical therapy and home exercises.

Signed under the pains and penalties of perjury.

2-9-05

Elizabeth L. Shields

2\shields\affidavit



September 24, 2003

Germani & Germani, P.C. 50 Union Street Attleboro, MA 02703

In answer to your authorized request for a copy of a medical report, I hereby certify that the enclosed are photocopies of the true hospital record of Sturdy Memorial Hospital concerning the below captioned individual.

The records of Sturdy Memorial Hospital are kept pursuant to Mass. General Laws Chapter III, Section 70.

Signed under the pains and penalty of purjury.

RE:

Shields, Elizabeth; MR#32-74-47. Emergency room report from June 25, 2003.

Assistant Director Medical Record Department

Susie Henry Notary Public

My Commission Expires on September 24, 2004.



IMAGING REPORT

DEPARTMENT OF IMAGING 508-236-7750 327447 SHIELDS, ELIZABETH

06/20/1958 F DR: MUELLER MD 27820547 DEP ER 06/25/2003

ADDRESSOGRAPH

SECTION: EMERGENCY DEPT. RADIOLOGY

000575943 ERAD/SPINE LUMBOSACRAL

PERTINENT HISTORY: MVA, BACK PAIN

LS SPINE

CLINICAL HISTORY: ACUTE INJURY. BACK PAIN.

FINDINGS: AP AND LATERAL RADIOGRAPHS OF THE LS SPINE WERE OBTAINED. THERE IS NO COMPRESSION FRACTURE. THERE IS GRADE II SPONDYLOLISTHESIS OF L5 ON S1 BY APPROXIMATELY 1.2 CM. THERE ARE PROBABLY BILATERAL SPONDYLOLITIC DEFECTS. THERE IS MARKED NARROWING OF THE L5-S1 INTERVERTEBRAL DISC SPACE. ALL OF THE OTHER INTERVERTEBRAL DISC SPACES ARE WELL MAINTAINED.

IMPRESSION: L5-S1: THERE IS GRADE II SPONDYLOLISTHESIS OF L5 ON S1 AND THERE ARE PROBABLY BILATERAL SPONDYLOLITIC DEFECTS. THERE IS MARKED NARROWING OF THE INTERVERTEBRAL DISC SPACE.

Interpreted and Dictated By: Reported By: KENNETH KAPLAN, MD

Report Reviewed And Signed By:

K. Kaplan, M.D.

CC:

Technologist: RAD.HYB

Transcribed Date/Time: 06/25/2003 (0934)

Transcriptionist: RAD.MH

Printed Date/Time: 06/25/2003 (1401) Batch No: 849

PAGE 1

CHART COPY

Form No. 7320-001-P-M Rev. 12/96

		Case 1:04-cv-12431-GAO Document STURDY MEMORIAL HCOPITAL, INC. ATTLEBORO, MA 02 963	EMERGEN	ACY ARE C	Page 3 of 28 th	643
		FATIENT NAME / ADDRESS / PHONE / SS # SHIELDS, ELIZABETH 3595 POST ROAD APT 20106 WARWICK, RI 02886 401-236-3628 037-40-2096	27820547 32 DATE OF BIRTH 06/20/58 WHERE OCCURRED F	2744 / 06/2 AGE SEX 45 F REASON FOR VISIT	5/03 06/25	DATE / TIME INT. BY BC
•	3	PREV. SER. N NOTIFY IN EMERGENCY / ADDRESS / PHONE / RELATIONSHIP SHIELDS.LAURA	MEDICARE A 037402096			SHIELDS, EL SELF
	PATIENT INFORMATION	SHIELDS, ELIZABETH 3595 POST ROAD APT 20106 WARWICK, RI 02886	UNITED HEAL PO BOX 6597 SAN ANTONIO 037402096	68 ,TX 78265	-9768 51001	SHIELDS,EL SELF
•		401-236-3628 037-40-2096 ECC PHYSICIAN / PROBERT P. UNKNOWN, PATIENT'S EMPLOYER NAME / ADDRESS / PHONE / OCCUPATION UNKNOWN	DOCTOR N PLEASE	CLINICAL S		BMATTLE AMB
	SPECIAL INSTRUCTIONS	☐ Re-check in ☐ Short of Breat Call (teday / tomorror	ergency Care Center ve medical evaluation r illness at a single em YOUR CONDITION	(ECC) at Sturdy Man nor be an effort the regency visit, it is in WORSENS OR YOU Sprain/FX Fe Vom./Diarr. Accorded Injury Other:	Memorial Hospital hos	as been rendered medical care. Sincs ontact the physician ITACT YOUR DOC.
	SERVICES RENDERED	CALL SOONER OR RETURN TO THE EMERGENCY DEPARTMENT EMERGENCY SERVICES RENDERED: Medication(s) administered: Case Management Referral/Consultation VNA or other Home Care Referral	Tet Toxoid Tet Goldenergence (Preliminary reac	Td Hypertet		(sent with pt)
\$	ACTIVITY	WORK / ACTIVITY STATUS ☐ Return to regular work/activity Date: ☐ No gym activity for days. Medication(s) prescribed:	Within 24 hours)	work, if available (,	
()- () (()	INSTRUCTIONS	□ DO NOT DRIVE, DRINK ALCOHOL OR OPERATE DANGEROU Other Instructions: 人場のない , いごいい C			ATION.	Cancer
SIGNATURES		I have discussed these instructions with the patient and appropriate in the patient and appro	I understand that I hav known or treated. Defi ve and I authorize cop (Questions regarding t	(a ropping EMERC		
		PATIENT / GUARDIAN Lighth	Shields	_ DATE	5 TIME_	() *

Case 1:04-cv-12431-GAO STURDY

MEMORIAL HOSPITAL P.O. Box 2963 211 Park Street Attleboro, MA 02703-0963

Document 7/3 / Filed 02/14/2005 Page 4 of 28

TO STATE AND THE WALTE				
		Private MD		AND CONTRACTOR
Pt. Name Eliza	bith Shields DOB-20-5	<u>- 01 </u>	x 🔑 Date	Triage Time Cody
Fr. Complaint	in pai - mrc QC_	Initials:	Medications:-	None
Triage Notes:	Onset of symptoms/Time of injury			
R	✓pt. Other:			
L Dead u	somen - is buch pain -	reac-	<u> </u>	
- Fred Inglo	<u>ut - Denies Lel C - propries</u>	Lynn En		
- Cate Comit	ees. Fall Surmal imany	While Cate Una	Ц Ц	
Jain C	Receive on on lange.			
Allergies: NKA	Demonstrated as Nuc	mia nain,	Herbals/Vitamins/	Alternative Tx: None
	(JEHN UM) FHATER UM A LIL	ges nully		ARENA KINGSON A AND A STATE OF THE STATE OF
MVA) / per EMS	per pt.	Triage Intervent	tion None	Vital Signs Wtkg
☐ IVAdriver	passenger: front back right left			Temp 4X.4 psFHR
Rollover	Car seat? Airbag? Ejected		_ Splint Sling	Pulse _iO'e FSBS
Windshield	starred C-collar byCEMS ARN			Resp. 28 B/P 147/ 89
Damage to veh	heel bent Spine immob. by MS (RN hicle?			SpO_2 $\stackrel{G}{=}$ 7 $\%$ RA or O_2
ABC's	CONTROL OF A THE AREA OF THE PROPERTY OF THE P	Past Medical His	CONTRACT SOCIETY AND ADDRESS OF THE PARTY OF	
a	_Stridor Obstructed Drooling			noker ppd x yrs. I DDM IDDMAsthma
SI	SOB Labored Cough	DMH Dataile	Dead	DOM IDDMASTRIQ
NO .	Flushed Pale Yellow Mottled	l'Min Details.	1000 4	1
	riusned Pate Yellow Mottled HotCool			
<u> </u>	. Moist Diaphoretic			t 6 mo, ≥ 20 lbs↓↑
li e	_ Rash**	UTD_Immuni:	zations: Not UTD*	*Last Td≥5 yrsUnknown
	controlleduncontrolled	Denies Pregnan	ncy LMP <u>7</u>	
N	ocation:	اسِب No - Breast fee	ding? Yes	
	thu			
		No - Disabilitie	es/Barriers to learning	s?
Neurological	Silvers (Section (1995)	Extended Neuro E		
∦ ≝_ Oriented x3 = x2 =	Verbal Pain Unconsciousx1	NA PERRL	yes no* Abnorn	nality;
L. NAD Affect: , _ Wit	thdrawnAnxious Crying	raciai u Arm str	lroop: <u> </u>	_rightleft R/L weak R/L limp
Frankrich service der der der der der der der der der de	ombative Hostile	Leg stre	ngth:normal	R/L weak R/L limp
Pain Scale Adult (0-10) Locati	ion Baile.	; <u>GU</u>		
Pedi (0-5) Qualin	ty Ucuts Trauma: Yes No	NA _Frequen	icy _Urgency _Dy l/Vaginal discharge	ysuria Incontinence , Hematuria
1	ation No	Indwell	ling Foley catheter	
GI	TELEVISION OF THE PERSON OF TH	Orthopedic	Multiple orthopedic	
✓ NA Abd** Soft East BM	_RigidDistendedPregnantObese ConstipationNausea		yExt	: injuries***
Voniting	x's in hrs	Cotor	Ext	tremity T° Pulse Capillary refill
Diarrhea	x's in hrs.		Swelling FROM	<i>M</i> or ROM ⊕ 2° to pain
Reported/Suspected Abu	Ise/Risk Assessment	"Items circled: r	equire further doc	cumentation & action
	es* No Suicidal/Homicidal Yes* No	**Items circled:	see nurses notes	
	es* No Risk for Violence Yes* No	Nurse Signature:	D 3/	ushe
Child Abuse/Neglect Ye Disabled Abuse/Neglect Ye	es" No Risk for Falls Yes No	Triage Category:	.2	MD Time:
Disabled Abuse/Neglect ve	≥s*\No′			MID THIE.

Continued on page

MD Signature:

Document 7-3

Filed 02/14/2005 Pa

Page 5 of 28

SHIFLDS, ELIZABETH
CS/20/53 F
S787054-7 REG ER OS/23/03
Addressegraph AND HALDOCTOR

EMERGENCY CARE CENTER DICTATED REPORT

45 yeur & SIPAMB CHILDREN BOOK PLAN

hor- ~ 10 pps restrained remembed a unknown special

es thead warma oneck least or and going.

mulix & bear

12

RE Vonied

rein me no

Charland bookingless my

Back - Oliver knowns & 1/2 promises one

& : ACUR BULL Shaw

Por



Case 1:04-cv-12431-GAO Document 7:3 5-Filed 02/14/2005 Page 6 of 28

SHIELDS . CABETH 06/20/38 *

\$792054-7 REG ER 06/25/03 UNXHOUN, DOCTOR PT AGE 45

Patient:			Bed: k	Pregnai	nt:Yes	_No Initial time: 705
Franspo	ort: _An	nbulator	y _ Wheelchair _ Stretcher	ALLER	GIES:	
atient (Complaint	: An	V KA			
	Add	Initial	T =	1 1 1 0	7	
	On	Order	Order	Add On	Initial	Order
	(Time)	(S)		(Time)	Order	
	(init)	(3)	Old Records	 	(S)	Old X-rays
			EKG: • Meds:			Old A-rays
EKG			Diurctics:			
			\ECPP - Chest Pain Protocol			\ESFP - Cerebro-spinal fluid
			TI - Troponin I			\ESFP.PD - Pedi cerebro-spinal fluid
			CPK			HCG - Serum pregnancy
	_ ·		\ETP - Thrombolytic Protocol			BSU - Quantitative pregnancy (beta sub unit)
LAB			CBC			DIG - Digoxin level
LAD			ER - BUN, Lytes, Glu, Cr, Cal	ļ		VAL - Depakote level
ļ					ļ	DIL - Dilantin Level
			AMYL/LIP — Amylase/ Lipase			SAL/ACTMN - ASA/Salicylates / Tylenol
			IFT. All D'U. All GODE GODE			Time for ACTMN to be drawn:
	ļ		LFTs - Alb, Bilit, Alkp, SGPT, SGOT, Bilid, GGT			DRGU - Urine Toxicology
			MG – Magnesium			ЕТОН
1			GLUM - Finger stick glucose			ABG - Blood Gases
-						O_2 L or RA
			PROX/PTT - Protime / PTT			UHCG - Urine pregnancy
-			Auticoagulants:			
]_			DIMER – D-dimer			U - Urinalysis
-	***************************************		ESR – Sed rate			ERU - ER Urine dip
MIC			SS - Strep Screen			UC - Urine cult./sens. :Clean catchCat
'''' -			BC - Blood culture	· · ·		GENPRB - GC/Chlamydia
			CXR routine chest x-ray			KOH & WP - Wet Prep
$RAD \stackrel{L}{\vdash}$						SCA C-spines
			PEXC1 - Portable chest x-ray			AM - Abdomen series
				Office de comment of Party Holy and comment of	~	KUB
			ECT - Cat Scan test:	<u> </u>		US – Ultrasound test:
CT/ L US			Reason:			Reason:
			TS - Type & screen			
вк 🗀			DCI ::			GRH - Type & RH
ther			PC - Packed cells /x-match x units			
.ab/			S STATE SA			
ray			Spine EA	·		
ders				- -	+	
	Time		Respiratory Treatments & Other Or	ders	Time	Signature
,						Signature
esp. eat-						
ents =						
& _		_				
her –		- 			·	
ders –						
1	Diet order:	·		I	Diabetic Mo	24.2



(4		EMORIAL		•				4	.15 8.	er "			(H)	2017 2022		
	₹ p.	O. Box 296	33					yde eer te	32-	7.7		''y		J. 74.		
	,A1	ttleboro, M	A 02703-09	963				共 差	5 M I	**************************************	33	FLI	ZASS	TH	***	į
ECC	CNI	JRSI	(8 N	OTE	S Di	ne:	Pag	eL_	1330 1000.	貫命。 され	130 Ca) -7 R	.	* 14		
Time	Temp	Puise	Resp.	1	Pain	Monitor Rhythm	SpO ₂ / O ₂ Support		Temp	Pu	ilse	Resp.	TB/R	Pair	Monitor Rhythm	SpÖ ₂ / O ₂ Support
0735		93		124/	<u> </u>					ļ.,.						3
		·	<u> </u>	!		1				ļ				 		
1.V. #	I.V. Amt	Səlu	tion	Med A and D		Needle Size	Flow Rate	Site	Time Start		Sta	rted By	Tio	,	Intake	Output
	7 2 1 1 1 1 1			and D	.030	! 	Tare		o carre				- Lik			
		<u> </u>														
	····					F T 7	and Medi	ontion () d		. 					
Time	T	Med	eation		Dos				gnatur	e		Time	Site		Nurse Sign	ature
	-	Dow	3/		1	2	R)		(_ Ĉ	7835	DO			Leck
													/			
									,			}				
										~~						
				***************************************						•						
													 ,			
•					i											
Time	Prima	ry Nars	e:													
المان المال	- 7	المالية	_ سیام_	_ 		n this		<u> 83.</u>	<u> </u>	-[_		200	<u>د. (د</u>	31 1	بهري الحري	
<u> </u>	لهندآ	Fed!		ultet	ti.	والمسائد والمسائد	<u> </u>		<u>.</u>	<u>[]</u>	,			- 2	drug-	<u> </u>
(2000)	Ca		W W	- Jake		- Alice	t: u-	المالية	C. to	فردتن	المسلك	ليادر		· (ell H	- -
		TU	<u> </u>	عبل ب	12 Jun	wit.	ét.								- lalac	1
5705	<u>)) v</u>	Λ	Y-Kik	الداد :	to U	بالميانيات	a. Co	بدلنه	4 (اسہال		(-d	ر کشار		
	jay.	0 8 .	•		٠									p2 2	Lun	
2 70']	Poli	Cl_	04	fic	es	CAL	(AC)	HU.	Cti (10	/	Pt	on	7 1	ollow	Cup.
073	5 194	1-0	Lu	11	o d	-21	0120	X	- V a	,	f	710	nd	@	hoda	ide.
	PI	200	$M_{\rm L}$	fou	ILe	1(1)	5	ral		ナ	1	() YV	(0)	/-J-c	bla.	
	C. Market Market			81	B A	cha	181)	•					, -	<u> </u>	
1805	Thy	ub	1	OP	R	10.	val		-8	6	81	0/1	Q 1	10	K	
0870	An) CC/	tin	a a	150	20.	LCC	- W)	al	Q	<u> </u>	, <u> </u>	iv Ve	47.	DIA	
	うべて		BY	who	2/1	Ø-)-	J 0 97	111	17	Ļ	#	7/1	- N	15	advis	ed-
Notificat	ion:	Clergy	Soc	ial Servic	e F	unily	Disposition	ı:Hc	me Tr	ansf	er to:				Eloped_	JWBS
		M.E.	Poli	ce			Time admit	called:			Time	e pt. tran	sferred:		Floor:	
Learning	g Needs:	Patient	/Signific	ant other	:		1	eady to	learn?	Y	es _	_No*	(3	*Furthe	r documentation	required)
		Asl	cs questi	onsf	Knowled	ge deficit re	: discase/inj	nry _l	Demo. in	corr	ect te	chnique	*De	enies n	eed for educat	ion*
Instructi	ons:	Discus	sion	Demons	tration	Handout	Pr	ovided/	read to p	atien	it and	or SO	Time	e of Di	scharge:	
		_Verbai	Underst	anding	Retu	n Demonstr	ation Sign	ature o	f person	disc	harg	ing:				
3525-006			··													

35-96md7

	At	fleboro, M	4 02703-096	3					7.105 7.105		i aase	MAN 3.3
EC	C NU	IRSE	ES NO)TE	S Da	te:	Page	-05/	总约录为	₫	2	
lime	Temp	Pulse	Resp.	B/P	Pain	Monitor	SpO_2/O_2	Time	Temp	Pulse-	Resp.	B/P

	Time	Temp	Pulse	Resp	. В/Р	Pain	Monitor Rhythm	SpO ₂ / O ₂ Support	Fime ? T	Temp	Pulso-	Resp.	В/Р	Pain	Monitor Rhythm	SpO ₂ / O Support
1								2 2 2								
	I.V.	I.V.	Solu	ition	Med A		Needle	Flow	Site	Time		arted By		me	Intake	: Output
-	#	Amt			and D	ose	Size	Rate	· 	Start	ed		End	ded		
ŀ																
-			 										<u> </u>			
								and Medi								
ŀ	Time		Medi	ication	<u></u>	Dos	e Ro	ute	MD Si	ignatur	e	Time	Site	,	Nurse Sign	ature
-						 								<u> </u>		
F									· · · · · ·					-	··	· · · · · · · · · · · · · · · · · · ·
-								j						1		
L																
_		T				ļ										
_							ļ 									· · · · · · · · · · · · · · · · · · ·
_														<u> </u>		
\vdash	Time	Prima	ry Nurs													
١	100				40	//	1100		1/1	107	تمعم محد فرز	13/1	in the second	27		
٤	<u></u>	1	10	t	LÍ	2000	1031	$\frac{1}{2}$	NU	101	2/2/	13/	7 ,		1/1/20	/
		MA	1 ac	22)Œ	Ma	200	K T	C			122	KUS			
							-									
_					·		•									
_							m									
		··· · · · · · · · · · · · · · · · · ·			···						<u> </u>					
					· · · · ·		- 								· · · · · · · · · · · · · · · · · · ·	
_						•••			- 							
																
-						· .										
_		·	 · · · · · · · · · · · · · · · · · ·				·		~						<u> </u>	
N	otificat	ion: _(Clergy	Soc	cial Servic	e Fa	unily	Disposition	:Ho	nne Tra	ansfer to:		····		Eloped	LWBS
		1	M.E.	Pol	ice										Floor;	
L	earning	y Needs:	Patient	/Signifi	cant other	:		r : disease/inju	eady to	learn?	Yes	_No*	(*	Further of	locumentation	required)
I	ıstructi	ons:					Handout								tharge:	// I
								ation Sign					Time	of Disc	narge:	1/10/
		LM 11/0						o.i Digi	aruxe OI	Person	cuscinit [ing			MAR	

	Case	1:04-c	4 E (2) 6 31	YGAQ AN	DARGUM	eet 748	ICE REP	d -92/14	42005	Pag	e 9 of	28	
DATE	-72-33	SERVICE / A	GENCY T	7,2	BUN NO.		D NO.	353	30	Med.Rec.		Pg. 1 o	f ie Start
NAME 2	hzabeth	5/	110	445. /	MEMBERS Sale/Ce/	CERT.	CERT. N	- Joan	Received atched	06	33	Mileag	
HOME ADD	RESS PAST	-d #2	010/	2. 0	an		क्षप्रदेश	Resp	oonding	96, 3	$\widetilde{\Sigma}$		
TOWN	S, 1. S,	JATE,	ZIP	4			0 ([]	10110	cene e Scene	063	* 6	Total Mi	lleage
INCIDENTA	WICK I		7886	5. SS #		TEL EDITO	NIT" #		ospital	064	3	Dept. U	se
INCIDENT	M LESON	whet	blest	,55 #		TELEPHO	\$\$30	120	uarters Other	000	<u> </u>	<u> </u>	
RESPONSIE	BLE PARTY / EMPL	OYER		INSURANCE	0 [POLICY NU	MBER	FI	nergency esponse gencies t Scene		<u> </u>	5	
PRIORITY	495 D.O.E	S PAD S	858 M	Medicar LOCAL MD	7 31	REASON FO	OR CALL	V(\frac{1}{2}\)	Scene	CLINICAL IN	MPRESSION		
ALLERGIES:	IKA II LATEX	UAI	19 19	is Dea	F-52	1es-	5271	733 E 8	UAL AID IVEN ECEIVED				
MEDICATIONS	VONE						•		COLIVED				
☐ HIGH BP	ASTHMA □ CA □ C. □ PSYCH □ SEIZU			BETES Other	:						_		CC-DNR
NARRATIVE	U/A TOUR	nd 45 Fire D	10.	5177	11/9 11/	Drive	\ 	4 0	Ca				HIVCK
1 py	o buildes	Pain-	- 3+1	y Veli	ed an	y the	XHaci		t wa		1scio		<u>vol</u> rescive
	is Deat	1 1 2	ommo		2 ZNV	Tow -	able	to al	7 2 3	DC1.	- 1	ire le	
04	spire-	e ot	-har	COMPlo	<u> 21111</u>	ージー	tals i	relow	-10	rvsbor	10	SMIBI	1/2) //
										···			
 		-	··	-									
													· · · · · · · · · · · · · · · · · · ·
EYES O	PEN VERBAL	RESPONSE	MOT د	OR RESPON	ISE GLASG	OW peop	DATIONS	EVETOLIC D				541	
(4) Spontaneou 3 To Voice	usly 5 Oriented 4 Confused 3 Inapprop	d riate	6 Obeys Locali	OR RESPON s Command izes Pain rawn in Pain	ISE GLASG COM SCAL	A 4 10 t	RATIONS o 29 4 or More 3	SYSTOLIC BI 90 or More 76 to 89	4 GCS	NVERTED G of 13 to 15 of 9 to 12	cs	REVISED SCO	
EYES 0 4) Spontaneou 3 To Voice 2 To Pain 1 No Respons	usly (5 Oriented 4 Confused 3 Inapprop 2 Incompre	d	6 Obeys Locali 4 Withd 3 Flexio 1 None	s Command izes Pain rawn in Pain on 2 Extensio	COM SCAL	A 4 10 t 3 30 d 2 6 to 1 1 to	o 29 or More 3 9	SYSTOLIC BI 90 or More 76 to 89 50 to 75 1 to 49 None	4 GCS	of 13 to 15	ics		
(4) Spontaneou 3 To Voice 2 To Pain	usly (5 Oriented 4 Confused 3 Inapprop 2 Incompre	d rriate ehensible PULSE	6) Obeys Locali 4 Withd 3 Flexio 1 None	s Command izes Pain rawn in Pain on 2 Extensio	SE GLASG COM SCAL	A 4 10 t 3 30 c 2 6 to 1 1 to 0 Non	o 29 or More 3 9	90 or More 76 to 89 50 to 75 1 to 49 None	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3		sco	RE
(4) Spontaneou 3 To Voice 2 To Pain 1 No Respons	usly (5 Oriented Confused 3 Inapprop 2 Incompre 1 None	d riate ehensible	(6) Obeys Locali 4 Withdo 3 Flexio 1 None	s Command izes Pain rawn in Pain on 2 Extension RESP	COM SCAL TANK SIGNS	A 4 10 t 3 30 d 2 6 to 1 1 to	o 29 or More 3 9	90 or More 76 to 89 50 to 75 1 to 49	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15	EMT D	SCO EF/CAR/PAC	RE
(4) Spontaneou 3 To Voice 2 To Pain 1 No Respons	usly (5 Oriented Confused 3 Inapprop 2 Incompre 1 None	d rriate ehensible PULSE	(6) Obeys Locali 4 Withdo 3 Flexio 1 None	s Command izes Pain Irawn in Pain on 2 Extension	TAIL SIGNS	A 4 10 t 3 30 t 2 6 to 1 1 to 0 Non	o 29 4 4 7 7 7 7 7 7 7 7	90 or More 76 to 89 50 to 75 1 to 49 None	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3	EMT D	sco	RE
(4) Spontaneou 3 To Voice 2 To Pain 1 No Respons	usly (5 Oriented Confused 3 Inapprop 2 Incompre 1 None	d rriate ehensible PULSE	(6) Obeys Locali 4 Withdo 3 Flexio 1 None	s Command izes Pain Irawn in Pain on 2 Extension	TAIL SIGNS	A 4 10 t 3 30 t 2 6 to 1 1 to 0 Non	o 29 4 4 7 7 7 7 7 7 7 7	90 or More 76 to 89 50 to 75 1 to 49 None	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3	EMT D	EF/CAR/PAC D C P D C P	RE
(4) Spontaneou 3 To Voice 2 To Pain 1 No Respons	se I S Oriented Confused 3 Inapprop 2 Incompre 1 None LOC A V P U A V P U A V P U A V P U A V P U A V P U A V P U A V P U	d riate Phensible	G) Obeys of Locali 4 Withdi 3 Flexio 1 None	s Command izes Pain izes Pain in Pain in 2 Extensio RESP	COM SCAL PUPILS	A 4 10 t. B 3 30 c. 2 6 to 1 1 to 0 Nor SKIN	o 29 4 3 3 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	90 or More 76 to 89 50 to 75 1 to 49 None EKG	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3	EMT D	EF/CAR/PAC D C P D C P D C P D C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME	se I S Oriented Confused 3 Inapprop 2 Incompre 1 None LOC A V P U A V P U A V P U A V P U A V P U A V P U A V P U A V P U	PULSE	G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP	s Command izes Pain izes Pain irawn in Pain n 2 Extensio	COM SCAL PUPILS (CC)	A 4 10 t. B 3 30 c. 2 6 to 1 1 to 0 Nor SKIN	o 29 4 3 3 9 9 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	90 or More 76 to 89 50 to 75 1 to 49 None EKG	4 GCS 3 GGCS 2 GGCS 0 GCS	of 13 to 15 to 15 to 19 to 12 of 6 to 8 of 4 to 5 of 3	EMT D	EF/CAR/PAC D C P D C P D C P D C P D C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME	usly (5 Oriented Confuses) se	PULSE	G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP	s Command izes Pain izes Pain irawn in Pain n 2 Extensio	PUPILS CEATION AND LOCATION	A 4 10 t. B 3 30 c. 2 6 to 1 1 to 0 Nor SKIN	o 29 4 3 3 9 9 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	90 or More 76 to 89 50 to 75 1 to 49 None EKG	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 ULSE OX	EMT D	EF/CAR/PAC D C P D C P D C P D C P D C P D C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME	Se LOC A V P U A V P U A V P U A V P U A V P U A V P U A V P U PROCEDURE / MEDIC	PULSE	G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP	S Command izes Pain izes P	PUPILS CEATION AND LOCATION	A 4 10 t.E. 3 30 c.C. 2 6 to 1 1 to 0 Nor. SKIN	o 29 4 3 2 9 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	90 or More 76 to 89 50 to 75 1 to 49 None EKG	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 ULSE OX	EMT D	EF/CAR/PAC D C P D C P D C P D C P D C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME	usly 5 Oriented Confuse Confuse Se Inapprop 2 Incompre Confuse Confu	PULSE	G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP	S Command seems of the seems of	PUPILS COM SCAL PUPILS CEC LOCATION AN LOCATION B BV	A 4 10 t	o 29 4 3 3 9 9 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	90 or More 76 to 89 50 to 75 1 to 49 None EKG	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 ULSE OX	EMT D	EF/CAR/PAC D C P D C P D C P D C P D C P D C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME	usly 5 Oriented Confuse Confuse Se Inapprop 2 Incompre Confuse Confu	PULSE	G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP	S Command seems of the seems of	PUPILS CEATION AND LOCATION	A 4 10 t	o 29 4 3 3 2 9 9 1 0 0 9 9 1 0 0 9 9 9 9 9 9 9 9 9 9	90 or More 76 to 89 50 to 75 1 to 49 None EKG	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 uLSE OX	EMT D	EF/CAR/PAC D C P D C P D C P D C P D C P D C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME	usly 5 Oriented Confuse Confuse Se Inapprop 2 Incompre Confuse Confu	PULSE	G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP	S Command seems of the seems of	PUPILS COM SCAL PUPILS CEC LOCATION AN LOCATION B BV	A 4 10 t.E. 3 30 c. 2 6 to 1 1 to 0 Nor SKIN	o 29 4 3 2 1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	90 or More 76 to 89 50 to 75 1 to 49 None EKG	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 ULSE OX	EMT D	EF/CAR/PAC D C P D C P D C P D C P D C P D C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME	usly Confused Confused Signature	PULSE	G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP	S Command sees Pain rawn in Pain 2 Extension Pain 2 Extension Pain 12 Extension Pain	PUPILS CEATION AND LOCATION AN	A 4 10 t.E. 3 30 c.C. 2 6 to 1 1 to 0 Nor. SKIN DIREATMON TII	o 29 4 3 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	90 or More 76 to 89 50 to 75 1 to 49 None EKG	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 ULSE OX	EMT D	EF/CAR/PAC D C P D C P D C P D C P D C P D C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME	usly Confused Confused Signature	PULSE / D CATION EMT [G) Obeys Locali Locali Withdi Richard Review BP DOSE / RATE LPM	S Commandizes Painn lizes Pain	COM SCAL TALE SIGNS: PUPILS CLOCATION AN LOCATION B BV DATA COM SCAL DICATION AN LOCATION AN COM SCAL DICATION AN COM SCAL COM SCAL DICATION AN COM SCAL COM	A 4 10 t. E. 3 30 c. 2 6 to 1 1 to 0 Nor SKIN W/// A 10 t. E. SKIN W///	o 29 4 3 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	90 or More 76 to 89 50 to 75 1 to 49 None EKG EKG PY CCEDURE / ME vanced Airwa od Glucose	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 to 15 Of 3	RATE Imple od Drawn	EF/CAR/PAC D C P D C P D C P D C P TO C P	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME	usly S Oriented Confuse Confuse Inapprop 2 Incompre Confuse	CATION EMT C C Chest F CVA / S Dehydra	G) Obeys J Locali Locali Withdia Review BP 15-7 DOSE / RATE LPM Pain Stroke / TIA attion / Hypot	S Commandizes Pain Irawn in Pain Irawn Ira	COM SCAL TALE SIGNS: PUPILS CLOCATION AN LOCATION B BV DATA General IIII Hypertherr	A 4 10 t.E. 3 30 c.C. 2 6 to 1 1 to 0 Nor. SKIN D-TREATMON TIME ON TIME COLLECTION TIME ON TIME	O 29 4 3 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	90 or More 76 to 89 50 to 75 1 to 49 None EKG PY CEDURE / ME vanced Airwa od Glucose Neuro / O	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 to 15 of 3 of 3 ULSE OX EMT DOSE A Atte	RATE Pempts and Drawn Respiration Respiration Seizum	EF/CAR/PAC D C P D C P D C P D C P THE STATE OF THE STATE	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME Abdomina Allergic Behaviora	usly (5 Oriented Confuser Confuser Sinapprop 2 Incompres Sinapprop	CATION EMT C CON CONTROL CATION EMT C CONTROL CONTROL	Ce) Obeys Locali 4 Withdi 3 Flexio 1 None BP 15-4 Common Pose Pain Ciroke / TIA ation / Hypo Common Pose Common	S Commandizes Painn lizes Pain	DICATION AN LOCATION AND LOCATI	A 4 10 t.E. 3 30 c.C. 2 6 to 1 1 to 0 Non SKIN ON TILE	O 29 4 3 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	90 or More 76 to 89 50 to 75 1 to 49 None EKG PY CEDURE / ME vanced Airwa od Glucose Neuro / C No Comp Obstructe Obstructe	4 GCS 3 GCS 1 GCS 0 GCS P DICATION Vomiting CNS Injury claint ed Airway	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 to 15 of 3 of	RATE Pempts Di Respir Seizur Sepsis Syncor	EF/CAR/PAC D C P D C P D C P D C P AOUTE Y atory	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME Abdomina Altered LO Behaviora Bleeding Burns	usly S Oriented Confuse Confuse Inapprop 2 Incompre Confuse	PULSE /D CATION EMT I	G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP DOSE / RATE LPM Pain Cation / Hypo c Emergence ss Obvious Dea	S Command izes Pain izes P	DICATION AN LOCATION B BV DATA Display a control of the control o	A 4 10 t.E. 3 30 c.C. 2 6 to 1 1 to 0 Non SKIN ON TILE	O 29 4 3 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	90 or More 76 to 89 50 to 75 1 to 49 None EKG PY CEDURE / ME vanced Airwa od Glucose Neuro / C No Comp Obstructe Obstetric Obstetric	4 GCS 3 GCS 1 GCS 0 GCS P P Vomiting CNS Injury claint ed Airway / Gyn Em	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 to 15 of 3 of	RATE Pempts Di Respir Seizur Sepsis Syncor	EF/CAR/PAC D C P D C P D C P D C P AOUTE Y atory	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME Abdomina Altergic Behaviora Bleeding	usly (5 Oriented Confuser Confuser) se LOC	PULSE /D CATION EMT I CATION EMT I CON CONTROL D CON S D Dehydra D Dizzine: D DOA, O D Drownir	BP DOSE / RATE LPM Pain Cation / Hypo C Emergence SS Divious Dealing / Near Di Near D	S Command Separation of the command	DICATION AN LOCATI B BV Comparison of the property of the pro	A 4 10 t.E. 3 30 c.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C.C	O 29 4 3 2 9 4 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	90 or More 76 to 89 50 to 75 1 to 49 None EKG EKG PY CEBURE / ME vanced Airwa od Glucose Nausea / Neuro / C No Comp Obstructe Overdose Pain, Not	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS DICATION V Vomiting CNS Injury Dlaint ed Airway / Gyn Em et Cotherwis	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 to 18 Of 3	RATE Pempts Di Respir Seizur Sepsis Syncor	EF/CAR/PAC D C P D C P D C P D C P AOUTE	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME Abdomina Allergic Allered LC Behaviora Bleeding Burns Cardiac Cardiac Ai	usly (5 Oriented Confuser Confuser) Se 1 None LOC (A) V P U A V P U A V P U A V P U A V P U PROCEDURE / MEDIC Oxygen IV - Gaug Al Pain OC al / Psychiatric	CATION EMT I CHEST FOR CVA / S Dehydra DOA, O Drownin Electroc COMMUNIC	Cell Obeys Cocali 4 Withdi 3 Flexio 1 None BP 15 / 9 DOSE / RATE LPM Pain Cation / Hypo C Emergence SS Obvious Dealing / Near Docution ATIONS	S Command Separation of the command	DATA COM SCAL PUPILS PUPILS LOCATI B BV Company Com	A 4 10 t.E. 3 30 c.C.E. SKIN D-IREATM ON TIM COLLECTION DESCRIPTION COLLECTION DESCRIPTION COLLECTION DESCRIPTION COLLECTION DESCRIPTION COLLECTION DESCRIPTION COLLECTION COLLECTION DESCRIPTION COLLECTION C	O 29 4 3 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	90 or More 76 to 89 50 to 75 1 to 49 None EKG PY CEDURE / ME vanced Airwa od Glucose Neuro / C No Comp Obstructe COstructe COstructe Coverdose Pain, Not Poisoning	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS Verifing CNS Injury CNS Injury Claint ed Airway A Gyn Em Cotherwis gs	of 13 to 15 of 9 to 12 of 6 to 8 of 4 to 5 of 3 to 15 of 6 to 8 of 4 to 5 of 3 ULSE OX EMT DOSE Atte Block e Spec.	RATE Pampts ampts ad Drawn Cod Bespir Seizur Sepsis Cod Syncol Other F	EF/CAR/PAC D C P D C P D C P D C P TO	SET
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME Abdomina Allergic Altered LC Behaviora Bleeding Burns Cardiac	usly (5 Oriented Confuser Confuser) se LOC	CATION EMT I CHEST FOR CVA / S Dehydra DOA, O Drownin Electroc COMMUNIC	Cemergences Country	S Command to see the second secon	DATA COM SCAL PUPILS PUPILS LOCATI B BV Company Com	A 4 10 t.E. 3 30 c.C. 2 6 t.C.	O 29 4 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3	90 or More 76 to 89 50 to 75 1 to 49 None EKG EKG PY CEDURE / ME Vanced Airwa od Glucose Neuro / C No Comp Obstructe Obstetric Overdose Pain, Not Poisoning port by EMS	4 GCS 3 GCS 2 GCS 1 GCS 0 GCS P Vomiting CNS Injury plaint ed Airway / Gyn Em COtherwis gs DISP Transp	of 13 to 15 of 9 to 12 of 9 to 12 of 6 to 8 of 4 to 5 of 3 a ULSE OX EMT DOSE A Atte Block e Spec. DISTION port by POV	RATE Pempts Discontinuo de la continuo del continuo de la continuo de la continuo del continuo de la continuo della continuo de la continuo della continuo della continuo	EF / CAR / PAC D C P D C P D C P D C P AOUTE Y atory es Problem	SET LOCATION N
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME Abdomina Allergic Allered LC Behaviora Bleeding Burns Cardiac Cardiac Ai	usly (5 Oriented Confuses Inapprop 2 Incompres	CATION EMT I CHEST FOR CVA / S Dehydra DOA, O Drownin Electroc COMMUNIC	CELLULAR	S Command izes Pain izes P	DATA DICATION AN LOCATI B BV Con Con Scal PUPILS Con Locati Con	A 4 10 t.E. 3 30 c.C. 2 6 to 1 1 to 0 Nor. SKIN W// NOR.	O 29 4 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3	90 or More 76 to 89 50 to 75 1 to 49 None EKG PY DEEDURE / ME vanced Airwa od Glucose Nausea / Neuro / C No Comp Obstructe Obstetric Obstetric Obstetric Obstetric Obstetric Pain, Not Pain, Not Poisoning port by EMS	Vomiting CNS Injury blaint ed Airway Gyn Em Cotherwises DISP	of 13 to 15 of 9 to 12 of 9 to 12 of 6 to 8 of 4 to 5 of 3 a ULSE OX EMT DOSE A Atte Block e Spec. DISTION port by POV	RATE Property of the property	EF / CAR / PAC D C P D C P D C P D C P AOUTE Y atory es Problem	SET LOCATION N to ther
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME TIME Abdomina Allergic Behaviora Bleeding Burns Cardiac Cardiac Ai TIME:	usly S Oriented Confuses Confuses Inapprop Tonfuses Inapprop Inapprop Tonfuses Inapprop Inap	CATION EMT I CHEST FOR CVA / S Dehydra Diabetic Dizzine: DOA, O Drownir Electroc COMMUNIC	Celly Land	S Command izes Pain izes P	DATA COM SCAL PUPILS PUPILS LOCATI B BV Company Com	A 4 10 t.E. 3 30 c.C. 2 6 to 1 1 to 0 Nor. SKIN W// NOR.	O 29 4 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3	90 or More 76 to 89 50 to 75 1 to 49 None EKG EKG PY CEDURE / ME Vanced Airwa od Glucose Neuro / C No Comp Obstructe Obstetric Overdose Pain, Not Poisoning port by EMS	Vomiting CNS Injury blaint ed Airway Gyn Em Cotherwises DISP	of 13 to 15 of 9 to 12 of 9 to 12 of 6 to 8 of 4 to 5 of 3 a ULSE OX EMT DOSE A Atte Block e Spec. DISTION port by POV	RATE Property of the property	EF / CAR / PAC D C P D C P D C P D C P AOUTE Y atory es Problem	SET LOCATION N to ther
4) Spontaneou 3 To Voice 2 To Pain 1 No Respons TIME TIME TIME Abdomina Allergic Altered LC Behaviora Bleeding Burns Cardiac Ai TIME:	USUN SEPORT C	CATION EMT C CATION EMT C COMPUETED E	CELLULAR G) Obeys J Locali 4 Withdi 3 Flexio 1 None BP DOSE / RATE LPM Cain Circle / TIA ation / Hypo C Emergence SS CELLULAR BY	S Command izes Pain izes P	DATA DICATION AN LOCATI B BV Con Con Scal PUPILS Con Locati Con	A 4 10 t.E. 3 30 c.C. 2 6 to 1 1 to 0 Nor. SKIN W// NOR.	O 29 4 3 2 3 2 3 2 3 2 3 2 3 2 3 3 2 3 3 2 3 3 2 3 3 2 3 3 3 2 3 3 3 2 3	90 or More 76 to 89 50 to 75 1 to 49 None EKG PY DEEDURE / ME vanced Airwa od Glucose Nausea / Neuro / C No Comp Obstructe Obstetric Obstetric Obstetric Obstetric Obstetric Pain, Not Pain, Not Poisoning port by EMS	Vomiting CNS Injury blaint ed Airway Gyn Em Cotherwises DISP	of 13 to 15 of 9 to 12 of 9 to 12 of 6 to 8 of 4 to 5 of 3 a ULSE OX EMT DOSE A Atte Block e Spec. DISTION port by POV	RATE Property of the property	EF / CAR / PAC D C P D C P D C P D C P AOUTE Y atory es Problem	SET LOCATION N to ther

Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 10 of 28



ORTHOPEDIC GROUP, INC.

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Jul 21, 2003 03:37 PM

Providers: John J Poggi, M.D.

PCP:

John J. Poggi, MD

Location: AOG

SUBJECTIVE

Room

Patient is arrived and roomed.

OR Initial Chief Complaint Lumbar

Ms. Shields presents for evaluation of an injury to her upper lower back. She was involved in a motor vehicle accident.

OR Initial History of Present Illness Lumbar

The injury occured on 06/25/03. Apparently, she was the driver in her car awaiting to make a left hand turn when she was struck from behind by a large delivery truck. She was brought to the Sturdy Emergency Room where x-rays apparently were obtained. She was advised to take over-the-counter Motrin and Tylenol. She denies any prior injury to her back or to her neck prior to this accident. She denies any bowel or bladder symptoms, nor does she note any weakness of either lower extremity. She does describe some occasional paresthesia to one or the other of her upper extremities depending on which side she lies at night. She denies any paresthesia to either lower extremity.

PMSFSHXROS BLUE REFERRAL

Past medical history, past surgical history, allergies, medications, review of systems, social history, and family history were all reviewed with the patient in detail and are as documented on the OGI Intake Form filled out on the day of the initial visit. A copy of this form is included in the electronic medical record for immediate access or in the paper chart (if still being kept for this patient). It should be noted that all elements that are not circled on the form were discussed with the patient and are either negative or not present.

OBJECTIVE

OR Lumbar Spine Exam

The patient is a moderately overweight WDWN Caucasion female. She is deaf but has an interpreter/signer with her. She is able to arise from a seated position without difficulty. The patient's gait is nonantalgic and heel to toe bilaterally. Evaluation of heel walking reveals it to be 5/5 bilaterally. Her toe walking is 5/5 bilaterally. Evaluation of the stance shows there to be a level pelvis. The SI Joint is symmetric and nontender bilaterally. Lumbar lordosis is normal. Flexion was noted to be 60 degrees. Extension was 20 degrees. There was tenderness to palpation over the L/S junction on the left. She had no tenderness along the lumbar spine, nor was there tenderness over either SI joint. She had no tenderness in either buttock region, nor did she have any tenderness over either trochanteric region. Motor strength testing bilaterally in the T12-S1 distribution was normal, showing 5/5 strength in all muscle groups. Light touch in the L4-S1 distributions was normal bilaterally, as well. Knee jerk and ankle jerk reflexes were normal and symmetric. The left lower back symptoms were recreated with supine straight leg raise on the left at 70 degrees. She had negative SLR on the right to 75 degrees. Her exam was notable for bilateral hamstring tightness. The hip, knee, and ankle ROM is normal bilaterally. She had negative figure-of-four test bilaterally and negative piriformis stretch test bilaterally.

OR Neck/UE Initial Physical Exam

Normal neck conture and posture. There is no overlying swelling, erythemia, rash. Range of Motion of the cervicle spine reveals full flexion, extension, rotation, lateral bending, without apparent pain or discomfort. There is no tenderness to palpation of the spine, bony landmarks, surrounding soft tissue. The distal neurovascular examination is normal with good distal sensation and pulses. DTR's are equal and symmetric. She did have a trace of discomfort with left > right tilt in the left posterior neck region. She also has some mild discomfort in the left medial

OR Lumbar X-ray Review

The following plain films were reviewed: AP/Lat of the lumbo-sacral spine. These demonstrated a Grade II spondylolisthesis of L5 on S1 with significant narrowing of the L5-S1 disc space. The remaining disc spaces were all preserved. There was no evidence of lytic lesions identified. There was bilateral spondylolytic defects at L5. No

This Note Printed on September 15, 2003 at 10:39 AM

Page 1 of 2



150 Emory St. Attleboro, MA 02703

Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 11 of 28

Patient: Elizabeth Shields ate of Birth: 06-20-1958 Vis Date: Jul 21, 2003 03:37 PM

Providers: John J Poggi, M.D. PCP: John J. Poggi, MD Location: AOG

other fractures were identified.

----- Electronically Signed by J. Jeffrey Poggi, MD -----.

ASSESSMENT

DIAGNOSIS #1: spondylolisthesis L5/S1. DIAGNOSIS #2: lumbar strain. Left thoracic paraspinal strain.

Strain Sprain, (Ligament, Muscle) Lumbar 847.2 Strain Sprain, (Ligament, Muscle) Thoracic 847.1

Spondylolisthesis Traumatic 738.4

PLAN

OR LUMBAR PLAN

The treatment options are reviewed with the patient through her interpreter. She will continue her present medications and apply heat or heat alternating with ice to the areas of discomfort as necessary. She will be started in physical therapy both for her upper and lower back symptoms. Follow up: 6 week(s). We will obtain lateral flexion-extension views of the lumbar spine on her return.

Medication Plan

Maintain Current Medication Plan.

ADDITIONAL ADDENDA

Jul 27 2003 9:58PM

(Poggi, John) - Faxed Note To: PCP (Poggi, MD, John) - 508-226-6465

This note has been electronically signed by John J Poggi, M.D.

John J Poggi, M.D.

amicore

This Note Printed on September 15, 2003 at 10:39 AM

Page 2 of 2

150 Emory St. Attleboro, MA 02703

Phone: (508) 222-4450 Fax: (508) 226-6465

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Jul 31, 2003 08:39 AM

Providers: Christopher Edmundson

PCP:

John J. Poggi, MD

Location: LOG

SUBJECTIVE

Physical Therapy Presentation - Lumbar Spine

Elizabeth presents for evaluation of her lumbar spine. She was involved in a motor vehicle accident. Hit from rear-end on June 25th. Pain is in left low-back, buttock and posterior upper leg. Pain is 6-7/10. Difficulty laying down, sitting > 20-30 min, walking > 1/2 hour. Pt also reports some mild pain in upper back. Pt is deaf and sister Laura typically translates.

Occupational History

The patient is presently unemployed.

OBJECTIVE

General Appearance

Pt is a deaf caucasion female. She has limited reading and writing skills.

OR Lumbar Spine Exam

Flexion was noted to be 60 degrees. Extension was 20 degrees. Lateral bending was moderately restricted on the left and mildly restricted on the right. Rotation was moderately restricted on the left and mildly restricted on the right. There was tenderness to palpation over the iliolumbar region on the left and the left L/S junction and the SIJ. The motor exam of the lower extremities is 5/5 bilaterally. The patient has normal discrimination to light touch in the lower extremities. The straight leg raise test causes low back pain on the left bilaterally. The hip, knee, and ankle ROM is normal bilaterally. Pt appears to have moderate trunk weakness and breaks under mild-moderate resistance in all directions.

OR Lumbar X-ray Review:

The following plain films were reviewed: AP/Lat of the lumbo-sacral spine. These demonstrated a Grade II spondylolisthesis of L5 on S1 with significant narrowing of the L5-S1 disc space. The remaining disc spaces were all preserved. There was no evidence of lytic lesions identified. There was bilateral spondylolytic defects at L5. No other fractures were identified.

ASSESSMENT

Strain Sprain, (Ligament, Muscle) Spine, Lumbar 847.2

Strain Sprain, (Ligament, Muscle) Thoracic 847.1

Spondylolisthesis Traumatic 738.4

Symptoms typical of lumbosacral strain. Pt also has radiologically confirmed spondylolisthesis. Pt has limitations of pain, ROM and strength. Will benefit from PT to address these issues.

STG's (2 weeks)

- 1. Independent and compliant with HEP
- 2. > 75% right rotation and lat flexion
- 3. Pt will tol walking 1 hour

LTG's (8 weeks)

Pain < 2/10 and full trunk ROM to allow for unimpaired completion of ADL's.

PLAN

Physical Therapy Rehabilitation Plan

Patient is to be seen 2 times per week for the next 8 weeks.

Physical Therapy Progress Note

Elizabeth's additional treatment plan will consist of Hot or Cold Packs, Electrical Stimulation, Strengthening

This Note Printed on September 11, 2003 at 9:43 AM

Page 1 of 2



6 Blackstone Valley Pl, Ste 530, Lincoln, RI 02865 Ph: (401) 334-3700 Fax: (401) 334-3414 Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Elizabeth Shields Tee of Birth: 06-20-1958 Visit Tate: Page 13 of 28

Patient: Visi* Tate: Jul 31, 2003 08:39 AM

Providers: Christopher Edmundson PCP: John J. Poggi, MD Location: LOG

exercises, Therapeutic Activities, Home Exercise Program, Self Care Home Management Training, Myofascial Release/Soft Tissue Mobility (MT), Joint Mobilization (MT) and Range of motion exercises.



Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 14 of 28

ORTHOPEDIC GROUP, INC.

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Aug 04, 2003 04:47 PM

Providers: Christopher Edmundson

PCP:

John J. Poggi, MD

Location: LOG

SUBJECTIVE

Physical Therapy Presentation - Lumbar Spine

Elizabeth presents for follow-up of her thoracolumbar spine.

OBJECTIVE

Therapy Treatment

Treatment rendered was Manual Therapy, Myofascial Release/Soft Tissue Mobility (MT), Home Exercise Program and Therapeutic Activities. Pt did not respond well to manual interventions secondary to guarding and pain. Will benefit from a "hands off" approach at this time with progressive strengthening and stabilization exercise. The plan is to progress the therapy regimen.



This Note Printed on September 11, 2003 at 9:43 AM

Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 15 of 28

ORTHOPEDIC GROUP, INC.

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields Date of Birth: 06-20-1958 Visit Date: Aug 07, 2003 08:20 AM

Providers: Christopher Edmundson PCP: John J. Poggi, MD Location: LOG

SUBJECTIVE

Physical Therapy Presentation - Lumbar Spine

Compliant with HEP.

OBJECTIVE

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation, Strengthening exercises and Therapeutic Procedures. UE and LE isometric stabilization exercise, bridging, prone hip ext, stab exercises on ball. The plan is to progress the therapy regimen.



Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 16 of 28

ORTHOPEDIC GROUP, INC.

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Aug 14, 2003 09:24 AM

Providers: Christopher Edmundson

PCP:

John J. Poggi, MD

Location: LOG

SUBJECTIVE

Physical Therapy Presentation - Lumbar Spine

HEP is becoming a bit easier. Felt better after estim and heat last visit.

OBJECTIVE

Therapy Treatment

Treatment rendered was Electrical Stimulation, Hot and/or Cold Packs, Strengthening exercises and Therapeutic Activities. stationary bike x 2 min, stabilization isometrics in hooklying, standing body blade stabilization. The plan is to continue the current therapy regimen.



Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 17 of 28

ORTHOPEDIC GROUP, INC.

PCP:

ORTHOPEDIC GROUP, INC.

Patient:

Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Aug 18, 2003 03:55 PM

Providers: Christopher Edmundson

John J. Poggi, MD

Location: LOG

SUBJECTIVE

Physical Therapy Presentation - Lumbar Spine

No significant improvements in symptoms to date.

OBJECTIVE

Therapy Treatment

Treatment rendered was Strengthening exercises, Therapeutic Activities, Hot and/or Cold Packs and Electrical Stimulation. Stationary bike x 3 min, hooklying LE isometrics, body blade in hooklying, wall slides x 6, hooklying b/l shid flexion with 2lb wt. The plan is to progress the therapy regimen.



Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 18 of 28

ORTHOPEDIC GROUP, INC.

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields Date of Birth: 06-20-1958 Visit Date: Aug 21, 2003 08:11 AM

Providers: Christopher Edmundson PCP: John J. Poggi, MD Location: LOG

SUBJECTIVE

Physical Therapy Presentation - Lumbar Spine

Mild increase in pain after last visit that resolved within 1 day. Pt reports continued compliance with HEP and added wall slides.

OBJECTIVE

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation, Strengthening exercises and Therapeutic Activities, bike x 4 min, walf slides, bridging with manual resistance, prone hip ext, resisted shid ext in sitting.

Pt instructed to begin walking 1/2 hour/day with breaks prn. The plan is to progress the therapy regimen.



This Note Printed on September 11, 2003 at 9:43 AM

ORTHOPEDIC GROUP, INC.

Patient:

Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Aug 25, 2003 04:05 PM

Providers: Christopher Edmundson

PCP:

John J. Poggi, MD

Location: LOG

SUBJECTIVE

Physical Therapy Presentation - Lumbar Spine

Pt reports that she is feeling ill today and has a bad toothache.

OBJECTIVE

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation and Therapeutic Activities. Stationary bike x 1 min. Pt was unable to tol a longer period on stationary bike secondary to SOB.

Reviewed HEP. The plan is to progress the therapy regimen.



Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 20 of 28

ORTHOPEDIC GROUP, INC.

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields Date of Birth: 06-20-1958 Visit Date: Aug 28, 2003 08:34 AM

Providers: Christopher Edmundson PCP: John J. Poggi, MD Location: LOG

SUBJECTIVE

Physical Therapy Presentation - Lumbar Spine

Pt reports that she is feeling a little better today.

OBJECTIVE

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation, Strengthening exercises and Therapeutic Activities. bike x 5 min, prone alt hip ext and shld flexion, bridging with march, stabilization sitting on ball. The plan is to progress the therapy regimen.



Case 1:04-cv-12431-GAO Document 7-3 Filed 02/14/2005 Page 21 of 28



ORTHOPEDIA GROUP, INC.

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields Date of Birth: 06-20-1958 Visit Date: Sep 02, 2003 03:42 PM

Providers: John J Poggi, M.D. PCP: John J. Poggi, MD Location: AOG

SUBJECTIVE

Room

Patient is arrived and roomed.

OR Lumbar FU HPI

Ms. Shields returns for a follow-up of upper and lower back strain injuries, s/p MVA, along with underlying L5-S1 spondylolisthesis. Since I last saw Ms. Shields, there has been significant improvement. She notes near complete resolution of her upper and lower back symptoms. She feels PT has been quite beneficial. Numbness is absent in the extremities. Weakness is absent in the extremities. Bowel and bladder function have been normal.

OR FU PMSFHX

Past medical history and review of systems were discussed with the patient in detail and remain unchanged from Orthopedic Group Inc. Intake Form, a copy of which is included in the patient's chart.

OBJECTIVE

OR Lumbar Spine Exam

The patient is a well developed and well nourished Caucasion female. The skin of the back is free of any bruising, swelling, or open violations. She is able to arise from a seated position without difficulty. The patient's gait is nonantalgic and heel to toe bilaterally. Evaluation of heel walking reveals it to be 5/5 bilaterally. Her toe walking is 5/5 bilaterally. Evaluation of the stance shows there to be a level pelvis. She has minimal tenderness to palpation over the left SI joint. She has no tenderness to palpation along the thoracic or lumbar spine. Lumbar lordosis is normal. Flexion was noted to be 80 degrees. Extension was 20 degrees. Motor strength testing bilaterally in the T12-S1 distribution was normal, showing 5/5 strength in all muscle groups. Light touch in the L4-S1 distributions was normal bilaterally, as well. Knee jerk and ankle jerk reflexes were normal and symmetric.

ASSESSMENT

DIAGNOSIS #1: lumbar strain. 2. Thoracic strain, s/p MVA.

Strain Sprain, (Ligament, Muscle) Lumbar 847.2 Strain Sprain, (Ligament, Muscle) Thoracic 847.1

PLAN

OR LUMBAR PLAN

The treatment options were reviewed with the patient. She will complete her course of PT and progress to a home exercise program. Follow up: as needed. The patient may return to work full duty/full time. This diagnosis is billable under auto/liability insurance.

This note has been electronically signed by John J Poggi, M.D.

John J Poggi, M.D.

amicore

This Note Printed on September 15, 2003 at 10:39 AM

Page 1 of 1

150 Emory St. Attleboro, MA 02703

Phone: (508) 222-4450 Fax: (508) 226-6465

Page 22 of 28 Filed 02/14/2005

ORTHOPEDIC GROUP, INC.

PCP:

ORTHOPEDIC GROUP, INC.

Patient:

Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Sep 08, 2003 03:48 PM

Providers: Christopher Edmundson

John J. Poggi, MD

Location: LOG

OBJECTIVE

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation, Strengthening exercises and Therapeutic Activities. The plan is to progress the therapy regimen.





PCP:

ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Sep 15, 2003 09:23 AM

Providers: Christopher Edmundson

John J. Poggi, MD

Location: LOG

(#JEPER)

Therapy Treatment

Treatment rendered was Home Exercise Program, Strengthening exercises, Therapeutic Activities, Hot and/or Cold Packs and Electrical Stimulation. Issued new HEP of 4 pt lumbar stretch, piriformis stretch, quadruped hip ext, hooklying alt hip flex, bridging, wall slides. Stationary bike x 7 min. The plan is to progress the therapy regimen.

4401((QX(ALL_AD))=X9A

Oct 8 2003 10:25AM





ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Sep 18, 2003 08:30 AM

Providers: Christopher Edmundson

PCP:

John J. Poggi, MD

Location: LOG

\$(0:5):0:1):0:1

Physical Therapy Presentation - Lumbar Spine

Difficulty with new HEP secondary to fatigue. Pt reports that she has been walking.

512/EGYYE

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation, Strengthening exercises and Therapeutic Activities, bridging on ball, shid horiz abd and flexion on ball, abdominal exercises on ball, hip ext on ball, stationary bike x 7 min and x3 min.

ADDIRICKA ADDENDA

Oct 8 2003 10:25AM





PCP:

ORTHOPEDIC GROUP, INC.

Patient:

Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Sep 22, 2003 08:36 AM

Providers: Christopher Edmundson

John J. Poggi, MD

Location: LOG

Physical Therapy Presentation - Lumbar Spine

Pt reports walking 3 miles/ day since last visit. Back is "not bad".

OBJECTIVE

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation, Strengthening exercises and Therapeutic Activities, stationary bike x 8 min, scap exercises on ball, abdominals on ball, hooklying crunches, AA sit-ups, PNF with body blade on ball, stationary bike x 5 min. The plan is to progress the therapy regimen.

ADDITIONALADDELLA

Oct 8 2003 10:25AM





ORTHOPEDIC GROUP, INC.

Patient: Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Sep 25, 2003 08:45 AM

Providers: Christopher Edmundson

PCP: John J. Poggi, MD

Location: LOG

Physical Therapy Presentation - Lumbar Spine

Pt describes pain level as fair.

OBJECTIVE:

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation, Strengthening exercises, Manual Therapy and Therapeutic Activities, abd curls on ball, chest press on ball, AA sit-ups, hooklying marching, stationary bike x 9 min and 5 min. The plan is to continue the current therapy regimen.

AULITOKA ENDELIM

Oct 8 2003 10:25AM





ORTHOPEDIC GROUP, INC.

Patient:

Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Sep 29, 2003 02:51 PM

Providers: Christopher Edmundson

PCP: John J. Poggi, MD

Location: LOG

ni.Fadaya

Therapy Treatment

Treatment rendered was Hot and/or Cold Packs, Electrical Stimulation, Strengthening exercises and Therapeutic Activities, stationary bike x 10, abd curls on ball, prone hip ext and shid flexion on ball, AA sit-ups, quadruped alt arm and leg, lat pulls #25, stationary bike x 5 L3. The plan is to continue the current therapy regimen.

#Asaste(o)(iAim to)o;±Ms2.

Oct 8 2003 10:25AM





ORTHOPEDIC GROUP, INC.

Patient:

Elizabeth Shields

Date of Birth: 06-20-1958

Visit Date: Oct 02, 2003 09:05 AM

Providers: Christopher Edmundson

PCP: John J. Poggi, MD Location: LOG

Physical Therapy Presentation - Lumbar Spine

Pt reports that she is feeling much better. She would like to D/C herself at this time. She intends to continue exercising on her own.

Therapy Treatment

Treatment rendered was Electrical Stimulation, Strengthening exercises, Therapeutic Activities and Hot and/or Cold Packs. Rx as previous.

ASSESSMENT

Compared to the previous treatment, patient seems to be much better.

PLAN

Physical Therapy Rehabilitation Plan

D/C to HEP.

THE PARTY OF THE P

Oct 8 2003 10:25AM

(Bruno, Leanne) - Faxed Note To: GERMANI & GERMANI P.C. - 15082229906

Christopher Edmundson



If the slip is greater than 25 percent, there appears to be an increased risk of future low back pain. Disc degeneration in the presence of untreated spondylolisthesis is uncommon under age 25 but after that age it is seen more commonly than in age-matched controls. On the other hand, patients who underwent fusion had no more degeneration than those not operated on (quoted by Smith and Hu, 1999). Spondylolysis of L4 is more likely to be painful than that involving L5 (Lonstein, 1999b).

Long-term follow-up of patients with grades III and IV spondylolisthesis showed that, even without surgery, major problems were uncommon. However, the same study showed that *in situ* posterior arthrodesis (surgical fusion of a joint) provided even better results (Weinstein, 2000).

Some adults with spondylosis or spondylolisthesis, for unknown reasons, have low back pain or sciatica, or both. Their symptoms and findings are virtually indistinguishable from patients with nonspecific low back trouble. Posterolateral fusion improves the condition of such patients (Moller, et al., 2000).

¶ 11.33(5) Trauma and Spondylolisthesis—There is no question that trauma often plays a role in precipitating spondylolisthesis and its symptoms. In fact, trauma provokes the first painful symptoms of spondylolisthesis quite frequently, but it is seldom its cause.

Trauma can, however, transform a pre-existing spondylolysis into an olisthesis (slippage), and can increase the degree of slippage in a pre-existing spondylolisthesis. Injury can also alter the dynamics of the spinal restraining tissues so a hyperlordosis (exaggeration of the normal lordotic curve) may result and induce a fatigue fracture of the pars interarticularis.

A severe traumatic event such as a motor-vehicle accident can very rarely cause an acute fracture of the pars (Type Ic). This injury seems to be unstable and the slip can progress and cause nerve damage; accordingly it is probably best managed by early fusion (Hilibrand, et al., 1995).

¶ 11.40 ABNORMAL CURVATURES OF THE SPINE

Deformities that result from abnormal spinal curvatures, if severe enough, will involve more than just cosmetic deformity. They can also be a source of pain, later degenerative problems, sitting instability, neurologic impairment and respiratory deficits.

The two major spinal deformities seen are scoliosis and kyphosis.

¶ 11.41 Scoliosis

Scoliosis is a lateral curvature of the spine as viewed from the back. (See Figure 11-13.) Scoliosis is most easily recognized as a deformity in the coronal

-35 (Rel,114-9/01 Pub,300)

